

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062922\
 Data File : VU049539.D
 Acq On : 30 Jun 2022 02:45
 Operator : SY/MD
 Sample : N3522-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 30 04:14:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 10:35:43 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

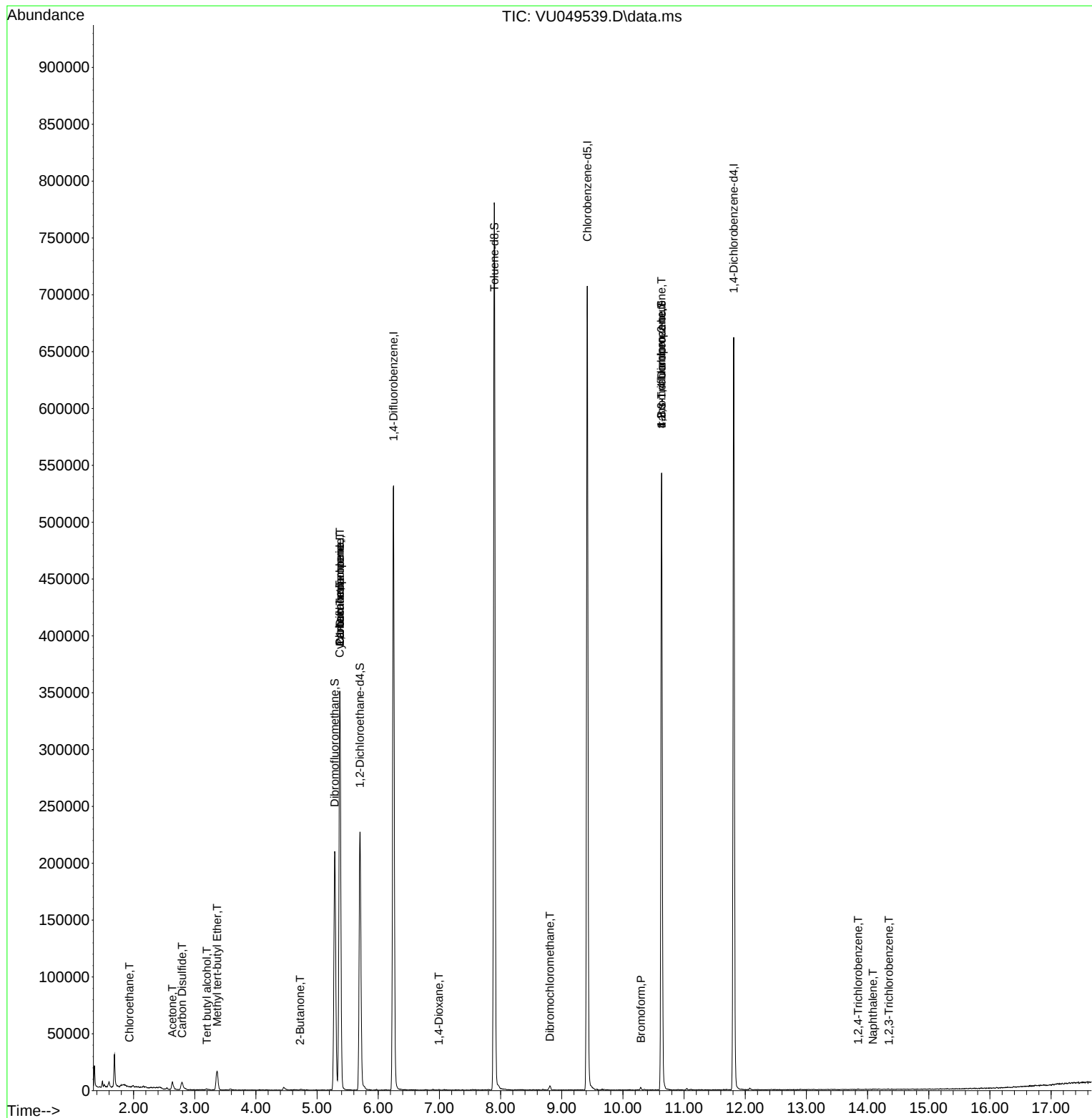
Internal Standards						
1) Pentafluorobenzene	5.372	168	243962	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	428354	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	390071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	174524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	172397	45.885	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.760%		
35) Dibromofluoromethane	5.288	113	137308	45.817	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.640%		
50) Toluene-d8	7.899	98	516835	48.352	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.700%		
62) 4-Bromofluorobenzene	10.632	95	184128	44.968	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.940%		
Target Compounds						
						Qvalue
3) Chloromethane	1.520	50	1872	Below Cal		89
6) Chloroethane	1.932	64	63	1.949 ug/l	#	44
11) Tert butyl alcohol	3.198	59	1173	1.334 ug/l	#	37
16) Acetone	2.636	43	8640	4.560 ug/l		98
17) Carbon Disulfide	2.793	76	3973	0.481 ug/l	#	87
19) Methyl tert-butyl Ether	3.366	73	19259	1.954 ug/l		99
25) 2-Butanone	4.723	43	978	0.344 ug/l	#	45
31) Cyclohexane	5.369	56	5244	0.930 ug/l	#	8
36) 1,1-Dichloropropene	5.372	75	19736	4.542 ug/l	#	48
38) Carbon Tetrachloride	5.372	117	24163	5.302 ug/l	#	16
49) 1,4-Dioxane	6.989	88	192	1.838 ug/l	#	30
60) Dibromochloromethane	8.809	129	1703	0.508 ug/l		98
71) Bromoform	10.295	173	1120	0.434 ug/l	#	96
76) 1,2,3-Trichloropropane	10.632	75	95493	16.141 ug/l	#	45
81) trans-1,4-Dichloro-2-b...	10.632	75	95493	59.606 ug/l	#	15
93) 1,2,4-Trichlorobenzene	13.844	180	40	1.764 ug/l	#	50
95) Naphthalene	14.085	128	150	1.747 ug/l	#	69
96) 1,2,3-Trichlorobenzene	14.346	180	81	1.197 ug/l	#	51

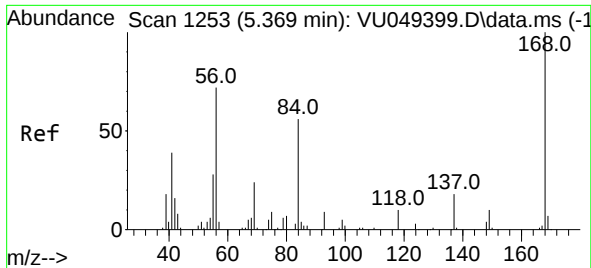
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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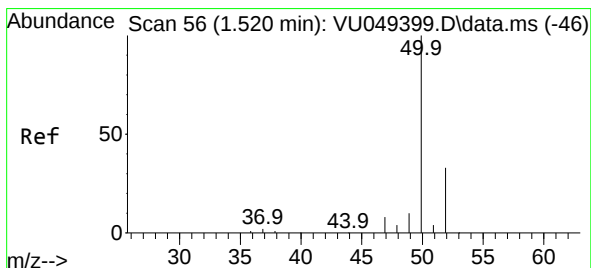
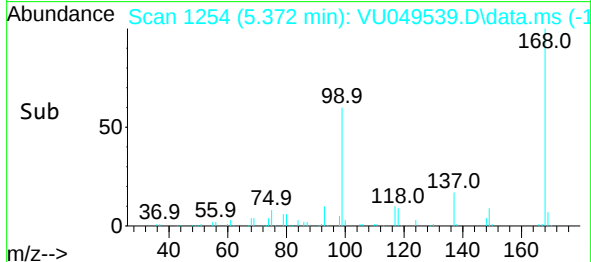
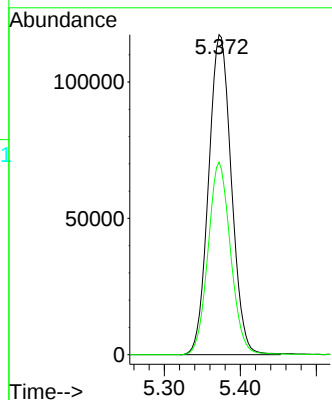
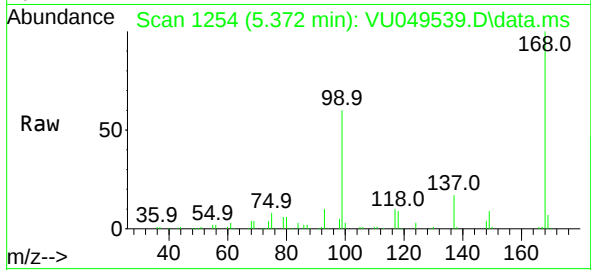




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049539.D
Acq: 30 Jun 2022 02:45

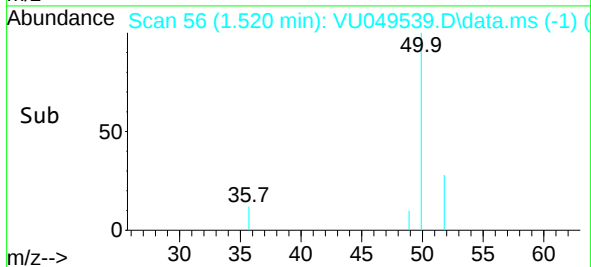
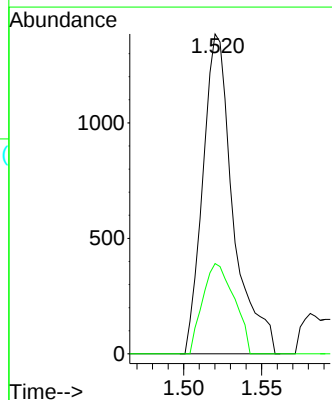
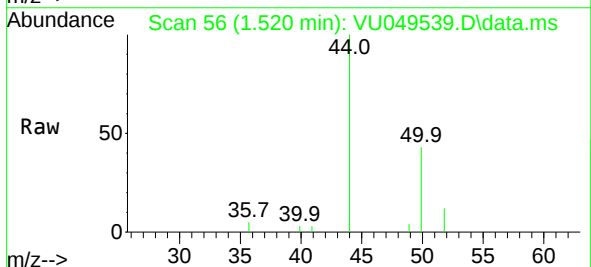
Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:168 Resp: 243962
Ion Ratio Lower Upper
168 100
99 60.1 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049539.D
Acq: 30 Jun 2022 02:45

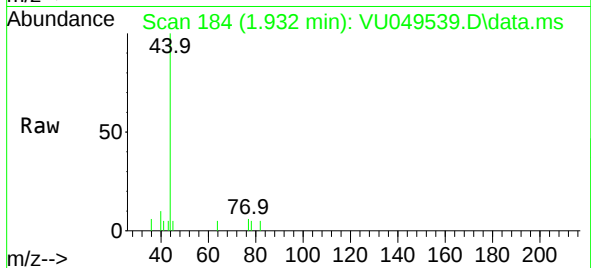
Tgt Ion: 50 Resp: 1872
Ion Ratio Lower Upper
50 100
52 28.2 27.4 41.2



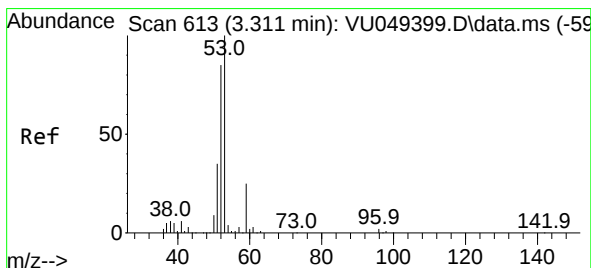
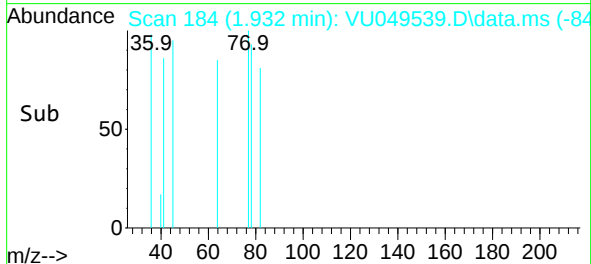
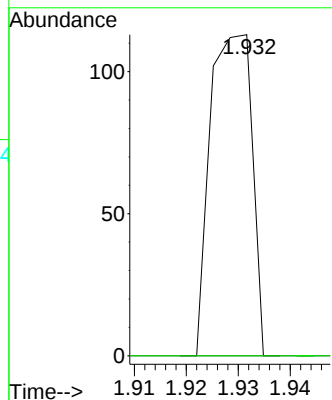


#6
Chloroethane
Concen: 1.949 ug/l
RT: 1.932 min Scan# 11
Delta R.T. 0.023 min
Lab File: VU049539.D
Acq: 30 Jun 2022 02:45

Instrument :
MSVOA_U
ClientSampleId :

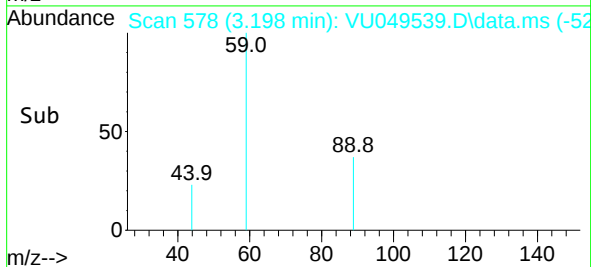
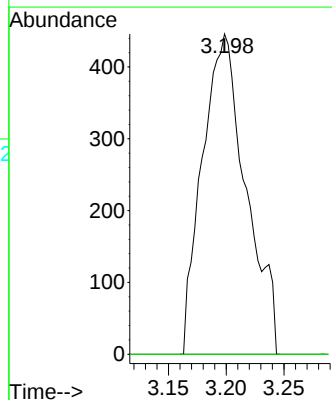
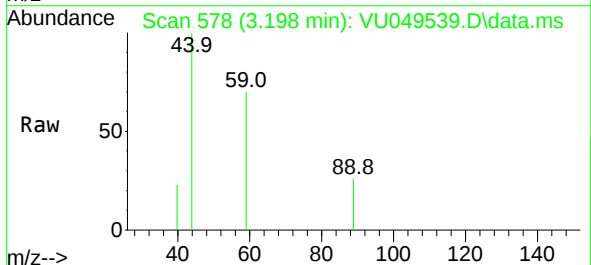


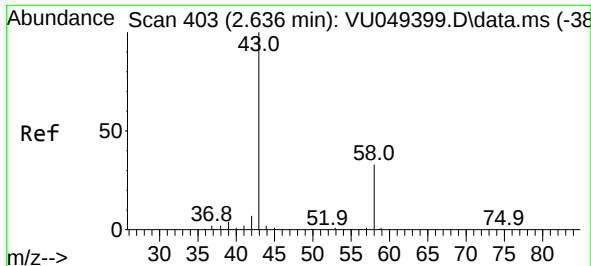
Tgt Ion: 64 Resp: 63
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 1.334 ug/l
RT: 3.198 min Scan# 578
Delta R.T. -0.113 min
Lab File: VU049539.D
Acq: 30 Jun 2022 02:45

Tgt Ion: 59 Resp: 1173
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#





#16

Acetone

Concen: 4.560 ug/l

RT: 2.636 min Scan# 403

Delta R.T. 0.000 min

Lab File: VU049539.D

Acq: 30 Jun 2022 02:45

Instrument :

MSVOA_U

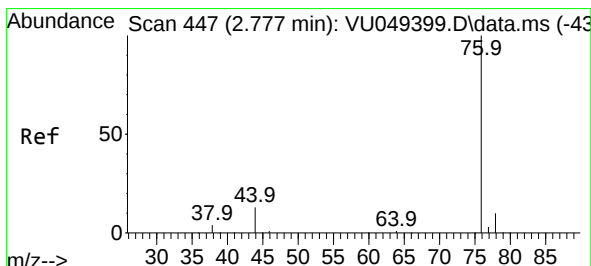
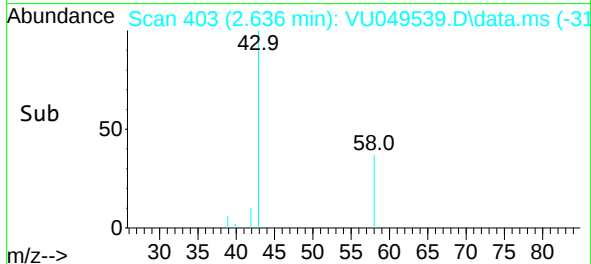
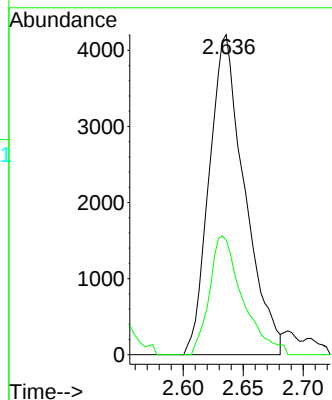
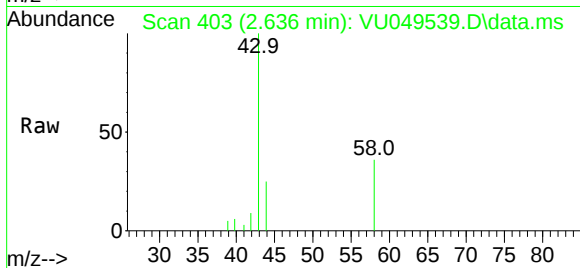
ClientSampleId :

Tgt Ion: 43 Resp: 8640

Ion Ratio Lower Upper

43 100

58 35.8 27.5 41.3



#17

Carbon Disulfide

Concen: 0.481 ug/l

RT: 2.793 min Scan# 452

Delta R.T. 0.016 min

Lab File: VU049539.D

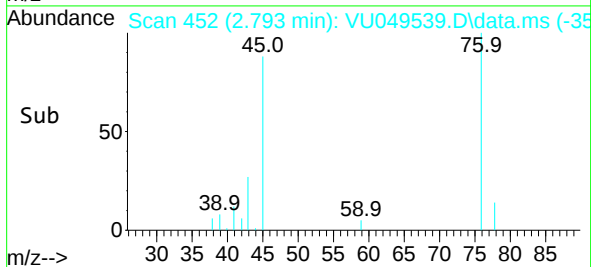
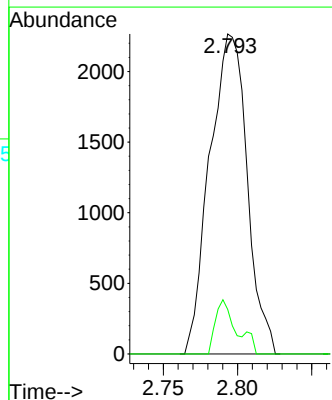
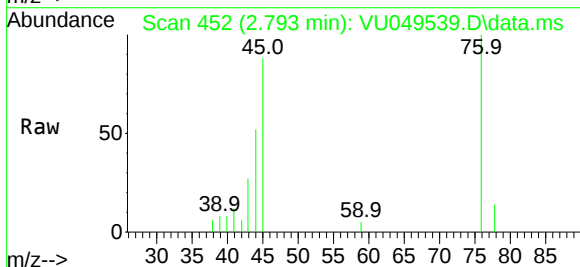
Acq: 30 Jun 2022 02:45

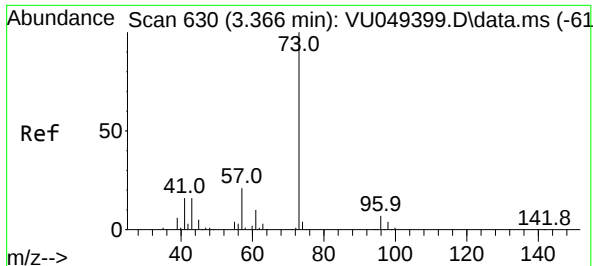
Tgt Ion: 76 Resp: 3973

Ion Ratio Lower Upper

76 100

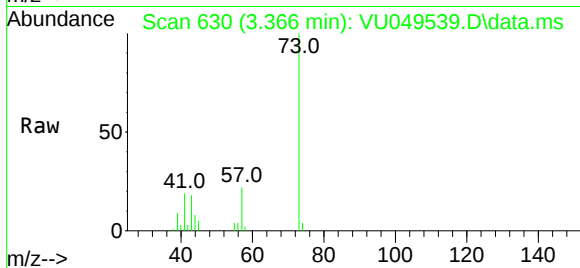
78 13.9 7.3 10.9#



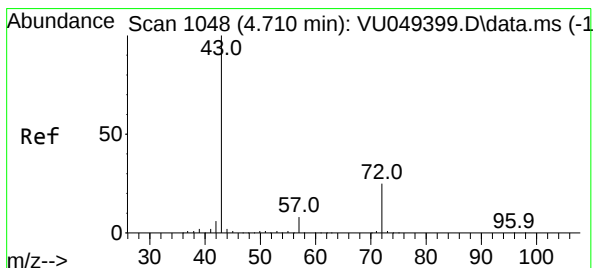
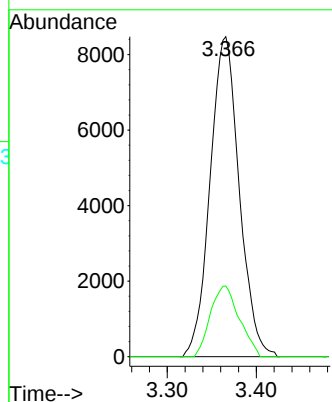
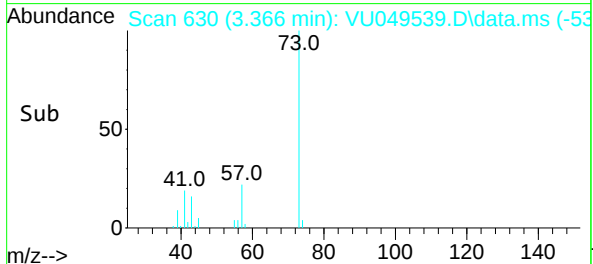


#19
Methyl tert-butyl Ether
Concen: 1.954 ug/l
RT: 3.366 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU049539.D
Acq: 30 Jun 2022 02:45

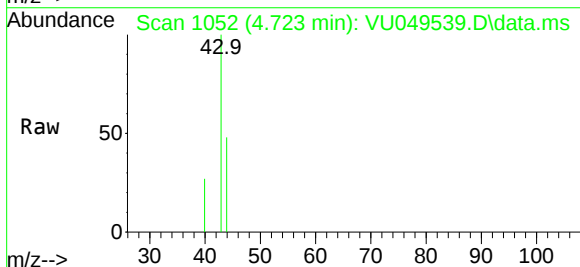
Instrument :
MSVOA_U
ClientSampleId :



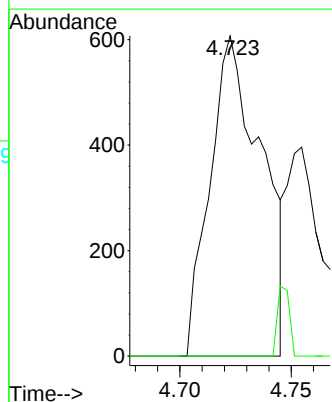
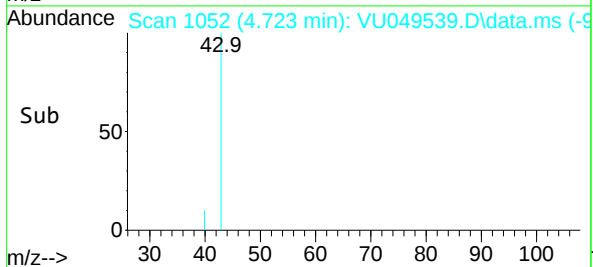
Tgt Ion: 73 Resp: 19259
Ion Ratio Lower Upper
73 100
57 22.1 17.1 25.7

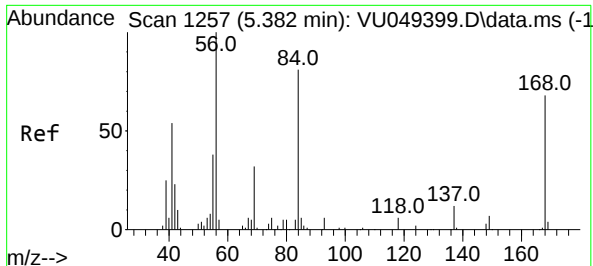


#25
2-Butanone
Concen: 0.344 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.013 min
Lab File: VU049539.D
Acq: 30 Jun 2022 02:45



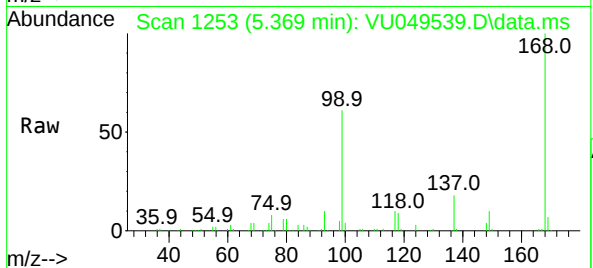
Tgt Ion: 43 Resp: 978
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



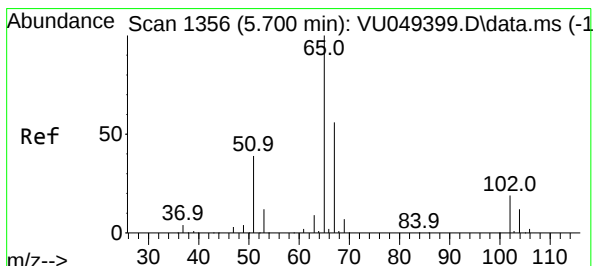
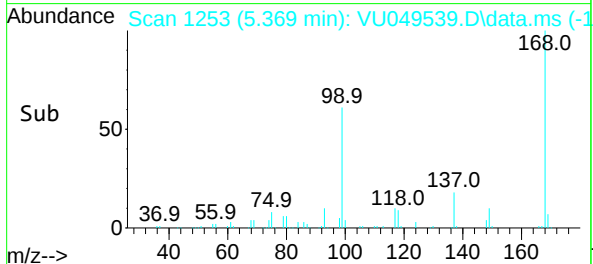
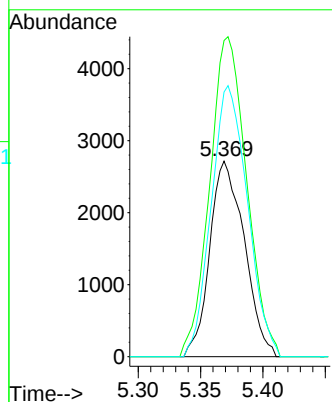


#31
Cyclohexane
Concen: 0.930 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.013 min
Lab File: VU049539.D
Acq: 30 Jun 2022 02:45

Instrument :
MSVOA_U
ClientSampleId :

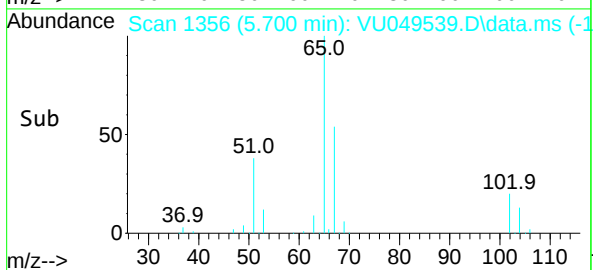
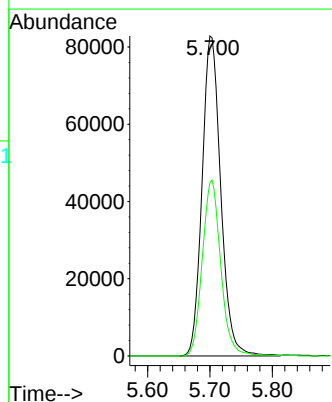
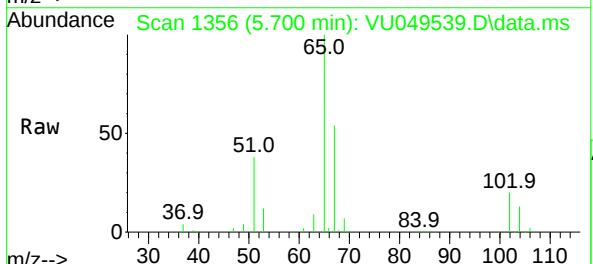


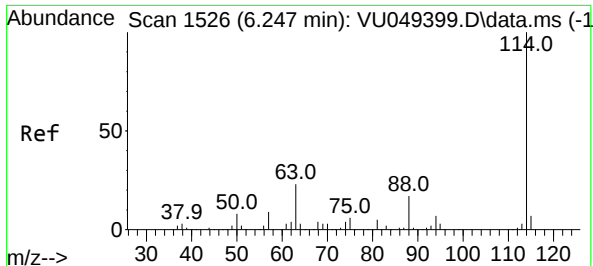
Tgt Ion: 56 Resp: 5244
Ion Ratio Lower Upper
56 100
69 161.7 27.8 41.8#
84 135.4 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 45.885 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU049539.D
Acq: 30 Jun 2022 02:45

Tgt Ion: 65 Resp: 172397
Ion Ratio Lower Upper
65 100
67 54.3 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049539.D

Acq: 30 Jun 2022 02:45

Instrument :

MSVOA_U

ClientSampleId :

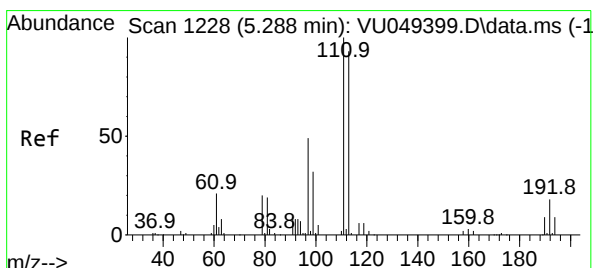
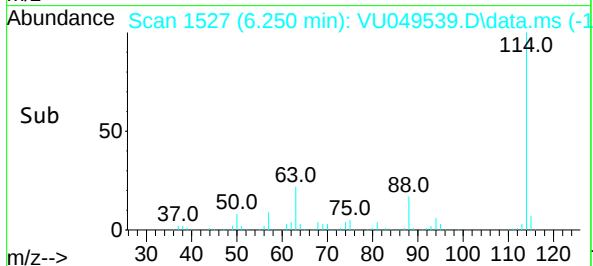
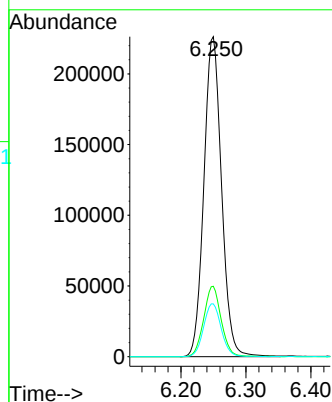
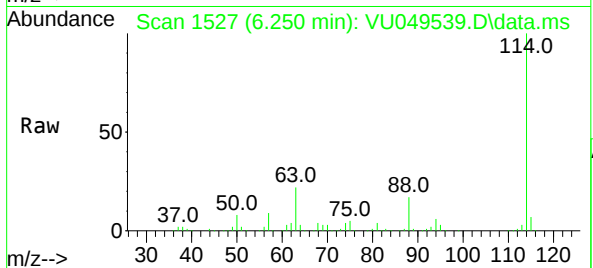
Tgt Ion:114 Resp: 428354

Ion Ratio Lower Upper

114 100

63 22.0 0.0 37.8

88 16.5 0.0 29.2



#35

Dibromofluoromethane

Concen: 45.817 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049539.D

Acq: 30 Jun 2022 02:45

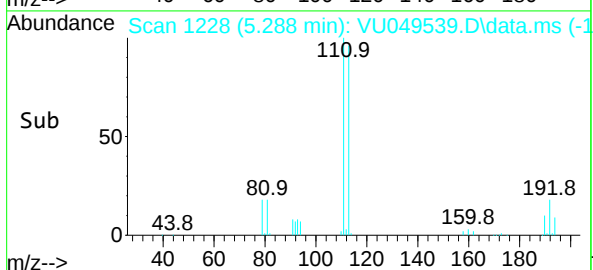
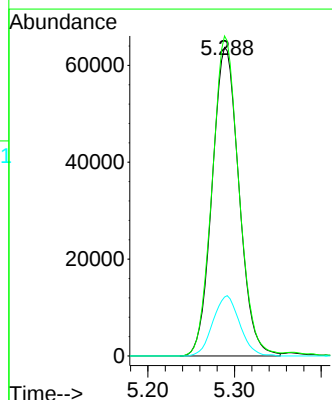
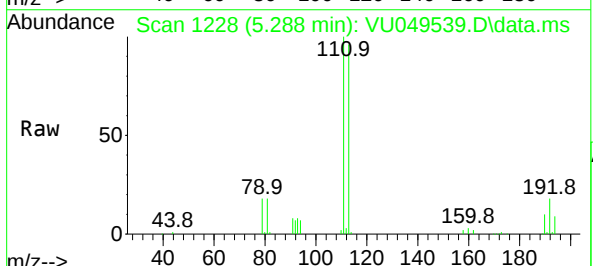
Tgt Ion:113 Resp: 137308

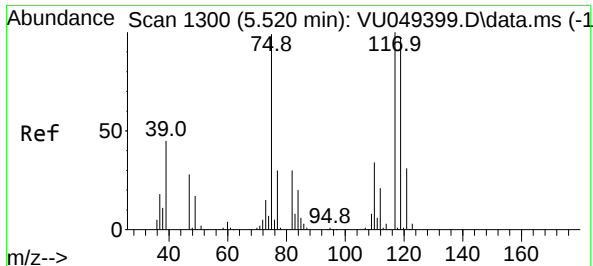
Ion Ratio Lower Upper

113 100

111 102.6 82.1 123.1

192 19.4 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.542 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.148 min

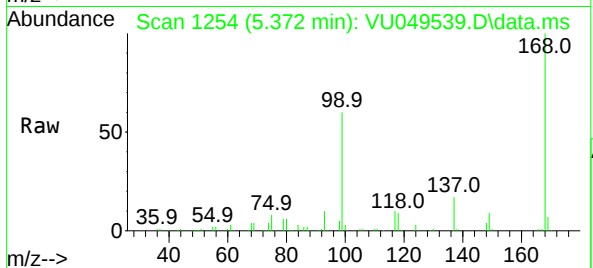
Lab File: VU049539.D

Acq: 30 Jun 2022 02:45

Instrument :

MSVOA_U

ClientSampleId :



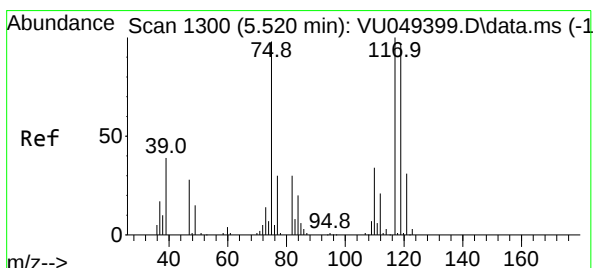
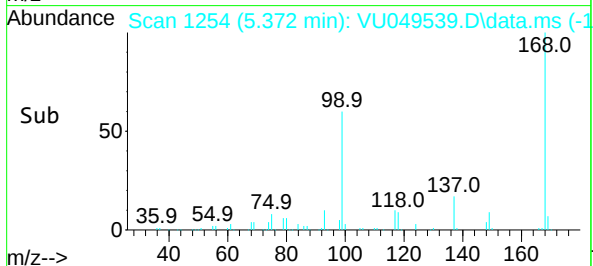
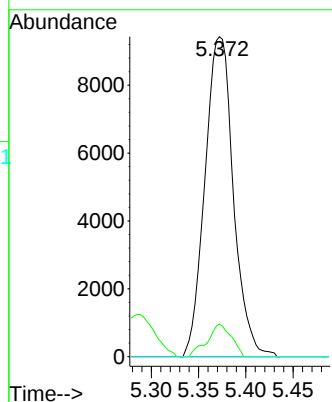
Tgt Ion: 75 Resp: 19736

Ion Ratio Lower Upper

75 100

110 8.6 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.302 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049539.D

Acq: 30 Jun 2022 02:45

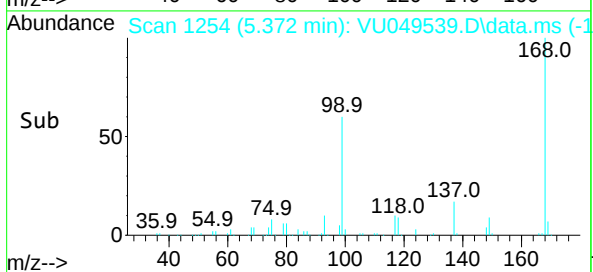
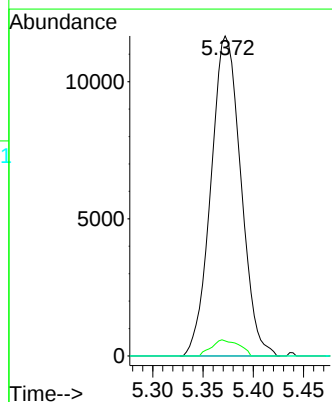
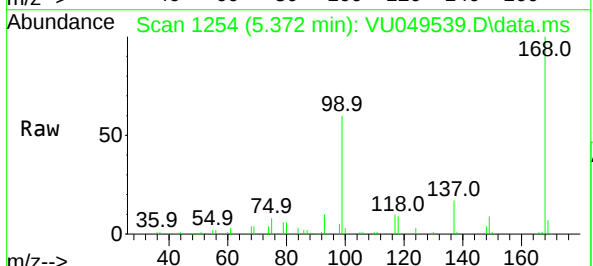
Tgt Ion: 117 Resp: 24163

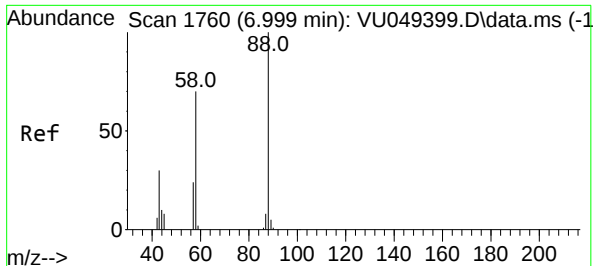
Ion Ratio Lower Upper

117 100

119 4.7 76.8 115.2#

121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 1.838 ug/l

RT: 6.989 min Scan# 1

Delta R.T. -0.010 min

Lab File: VU049539.D

Acq: 30 Jun 2022 02:45

Instrument :

MSVOA_U

ClientSampleId :

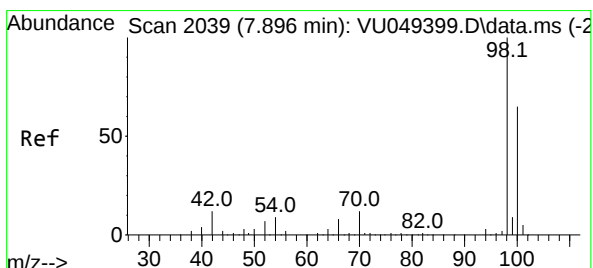
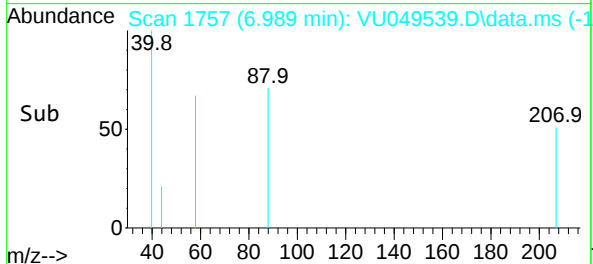
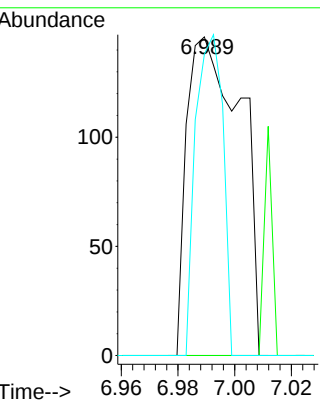
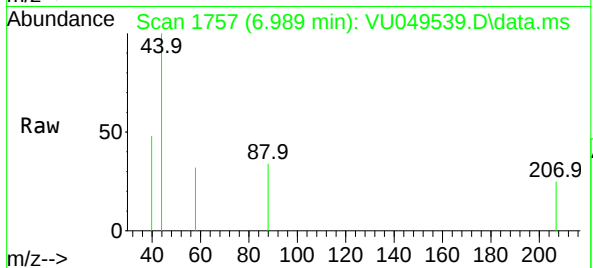
Tgt Ion: 88 Resp: 192

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 51.0 15.4 23.0#



#50

Toluene-d8

Concen: 48.352 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. 0.003 min

Lab File: VU049539.D

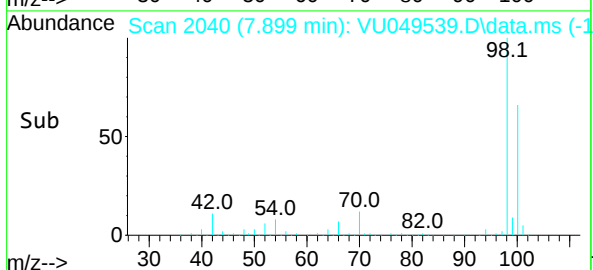
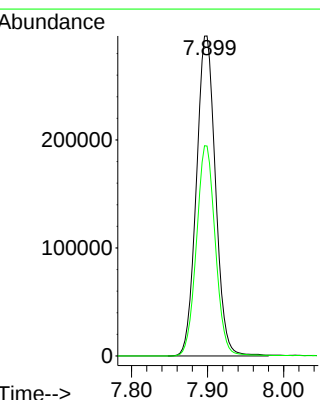
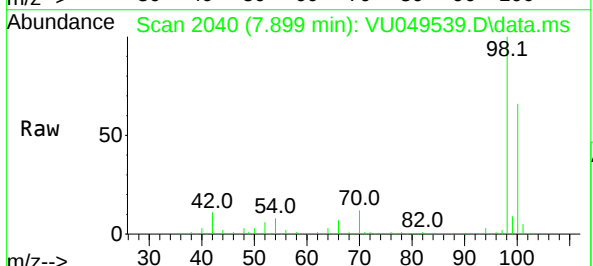
Acq: 30 Jun 2022 02:45

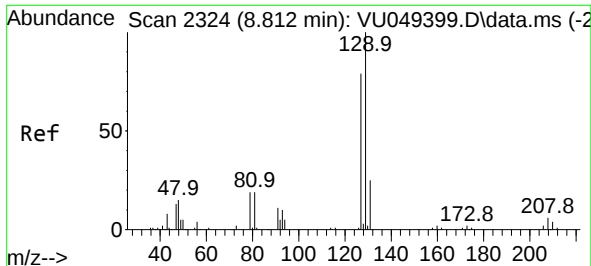
Tgt Ion: 98 Resp: 516835

Ion Ratio Lower Upper

98 100

100 65.1 51.7 77.5

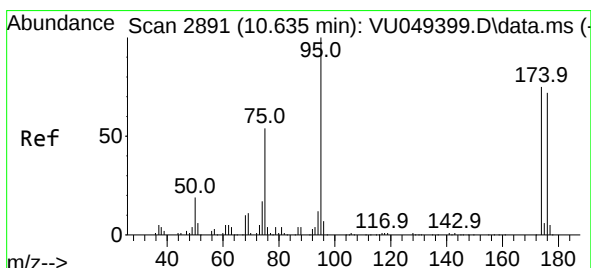
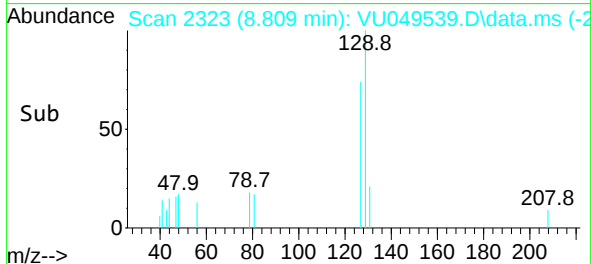
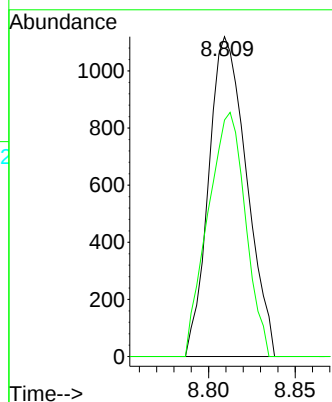
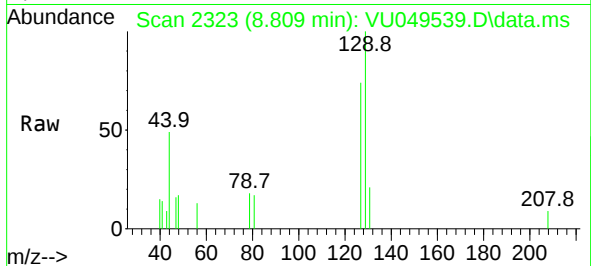




#60
Dibromochloromethane
Concen: 0.508 ug/l
RT: 8.809 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049539.D
Acq: 30 Jun 2022 02:45

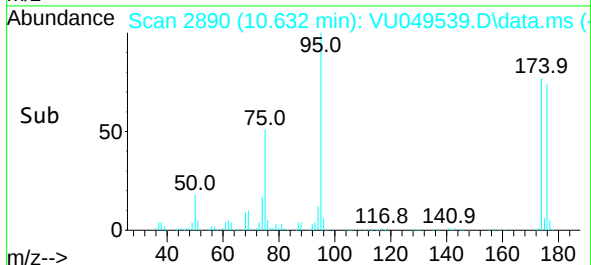
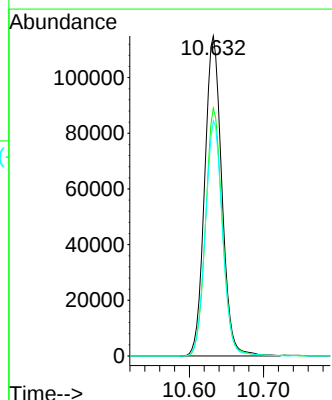
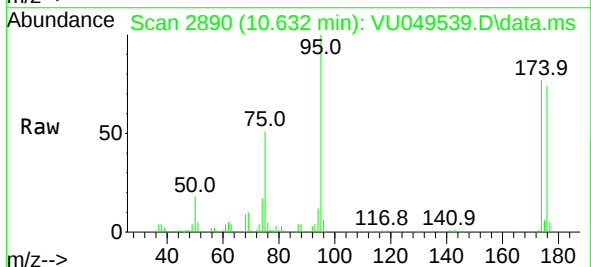
Instrument :
MSVOA_U
ClientSampleId :

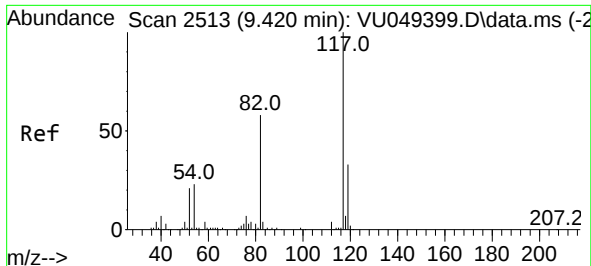
Tgt Ion:129 Resp: 1703
Ion Ratio Lower Upper
129 100
127 75.9 38.6 116.0



#62
4-Bromofluorobenzene
Concen: 44.968 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049539.D
Acq: 30 Jun 2022 02:45

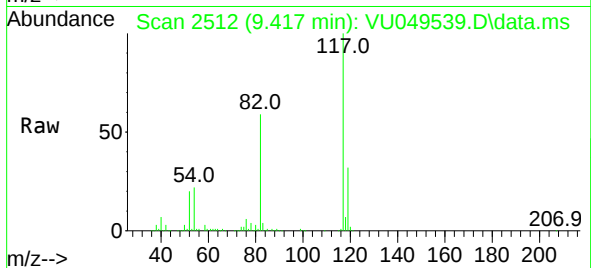
Tgt Ion: 95 Resp: 184128
Ion Ratio Lower Upper
95 100
174 76.0 0.0 182.0
176 73.7 0.0 177.8



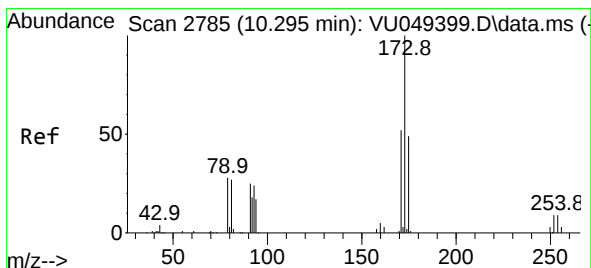
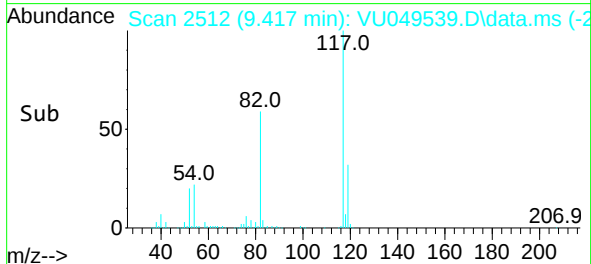
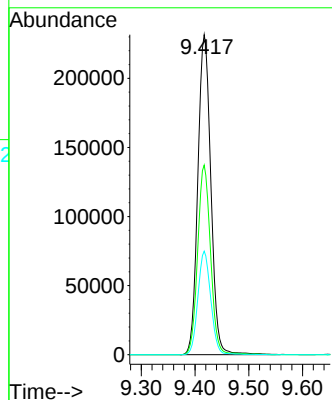


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049539.D
Acq: 30 Jun 2022 02:45

Instrument :
MSVOA_U
ClientSampleId :

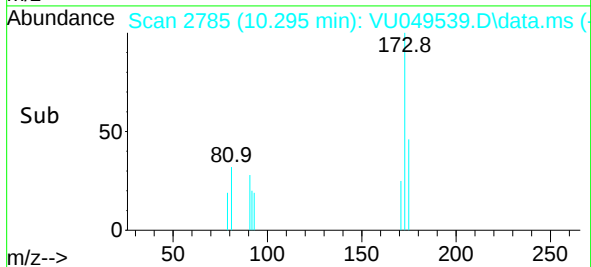
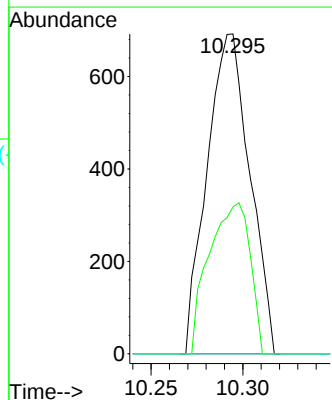
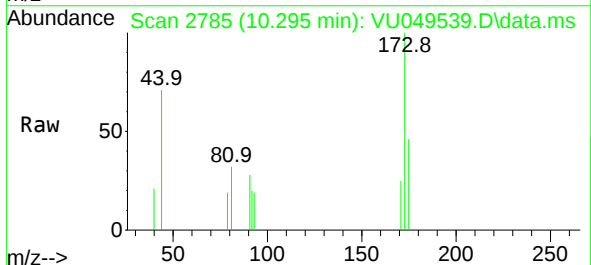


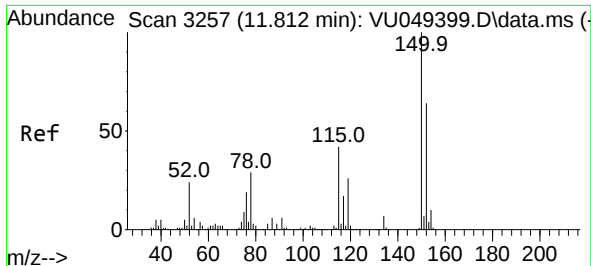
Tgt Ion:117 Resp: 390071
Ion Ratio Lower Upper
117 100
82 59.2 41.7 62.5
119 32.4 25.7 38.5



#71
Bromoform
Concen: 0.434 ug/l
RT: 10.295 min Scan# 2785
Delta R.T. 0.000 min
Lab File: VU049539.D
Acq: 30 Jun 2022 02:45

Tgt Ion:173 Resp: 1120
Ion Ratio Lower Upper
173 100
175 45.3 24.1 72.2
254 0.0 0.1 0.1#

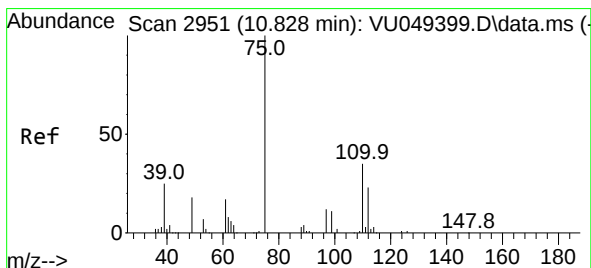
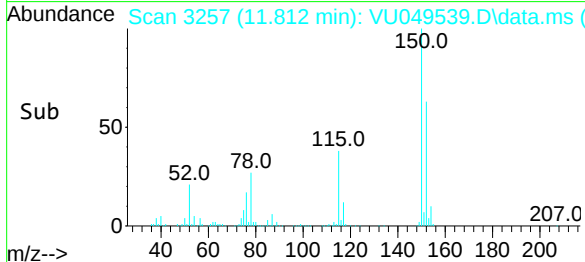
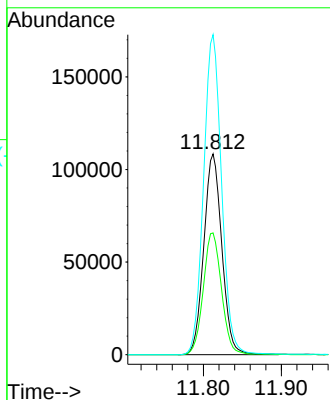
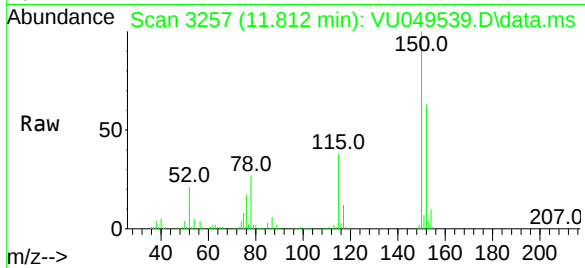




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049539.D
 Acq: 30 Jun 2022 02:45

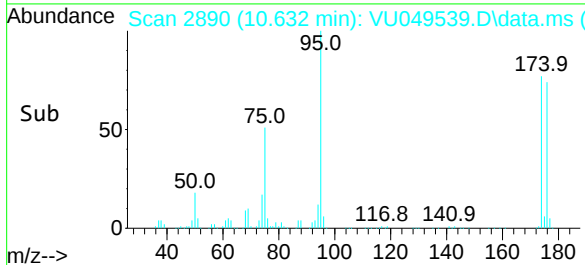
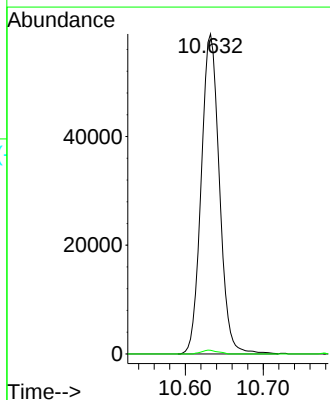
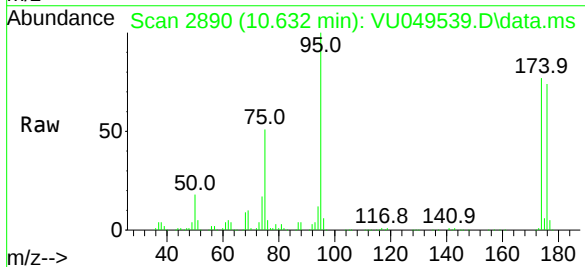
Instrument :
 MSVOA_U
 ClientSampleId :

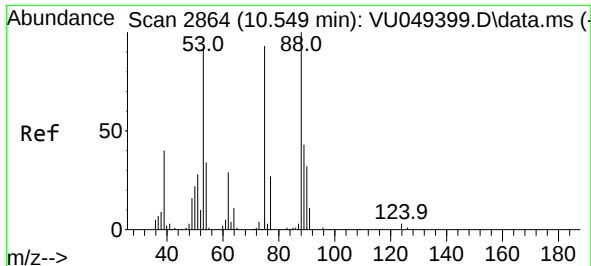
Tgt Ion:152 Resp: 174524
 Ion Ratio Lower Upper
 152 100
 115 61.2 37.0 110.9
 150 159.0 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 16.141 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049539.D
 Acq: 30 Jun 2022 02:45

Tgt Ion: 75 Resp: 95493
 Ion Ratio Lower Upper
 75 100
 77 1.1 15.8 47.3#

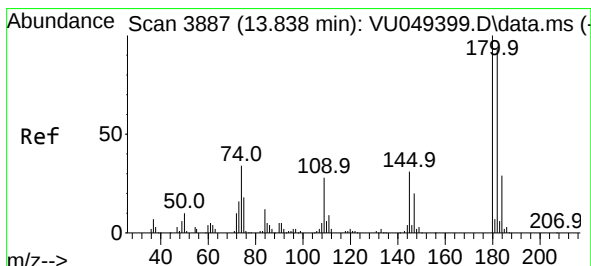
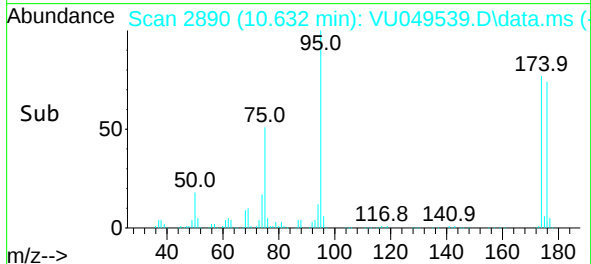
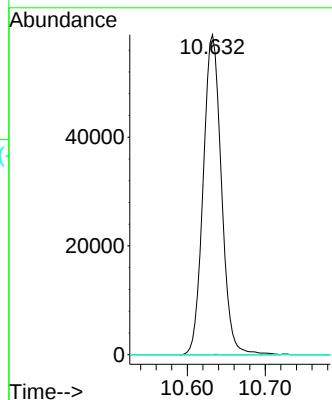
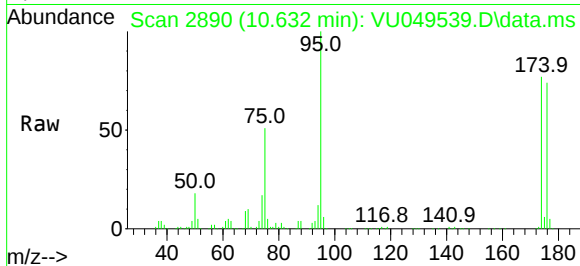




#81
trans-1,4-Dichloro-2-butene
Concen: 59.606 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049539.D
Acq: 30 Jun 2022 02:45

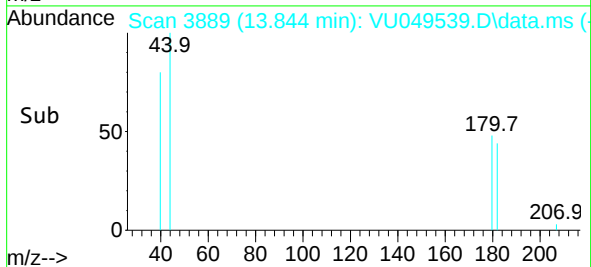
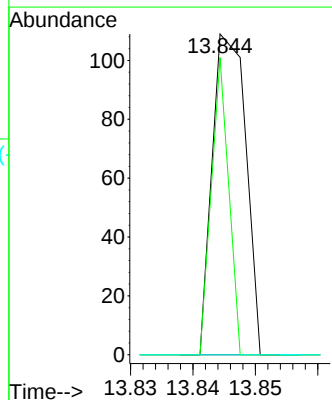
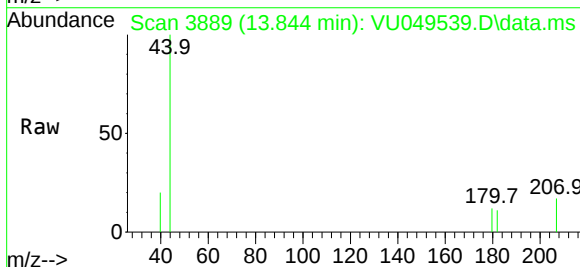
Instrument :
MSVOA_U
ClientSampleId :

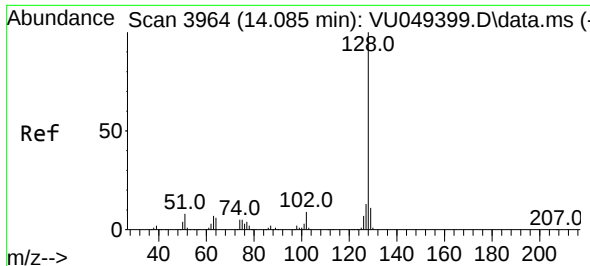
Tgt Ion: 75 Resp: 95493
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.764 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.006 min
Lab File: VU049539.D
Acq: 30 Jun 2022 02:45

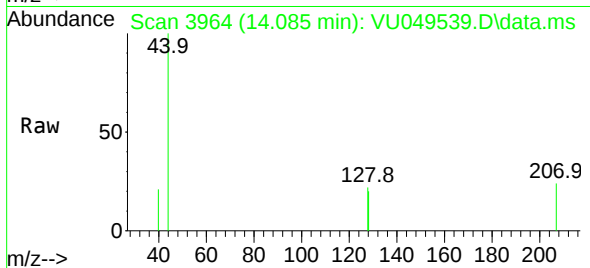
Tgt Ion:180 Resp: 40
Ion Ratio Lower Upper
180 100
182 47.5 47.9 143.6#
145 0.0 14.0 41.9#



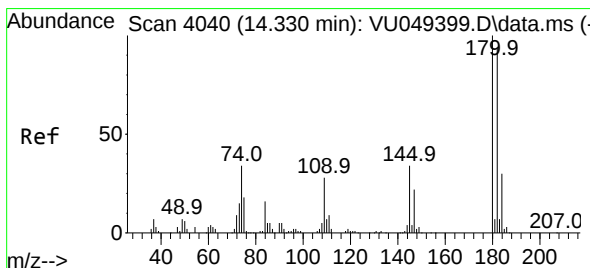
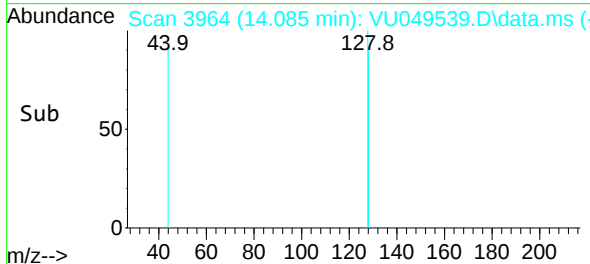
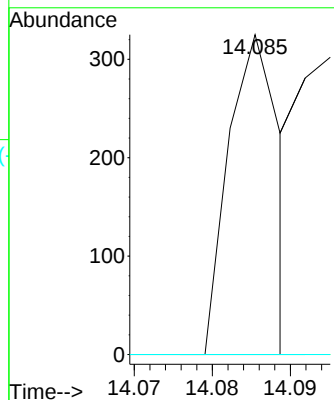


#95
Naphthalene
Concen: 1.747 ug/l
RT: 14.085 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU049539.D
Acq: 30 Jun 2022 02:45

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 150
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.197 ug/l
RT: 14.346 min Scan# 4045
Delta R.T. 0.016 min
Lab File: VU049539.D
Acq: 30 Jun 2022 02:45

Tgt Ion:180 Resp: 81
Ion Ratio Lower Upper
180 100
182 50.6 48.4 145.0
145 0.0 14.8 44.4#

